

Title (en)
PNEUMATIC TIRE

Title (de)
LUFTREIFEN

Title (fr)
PNEU

Publication
EP 1892126 A4 20081119 (EN)

Application
EP 06756838 A 20060531

Priority
• JP 2006310918 W 20060531
• JP 2005178464 A 20050617

Abstract (en)
[origin: EP1892126A1] To provide a pneumatic tire that can improve a rollover resistance while retaining a driving stability, a tread surface 11 is formed from a center arc 31, a shoulder-side arc 32, and a shoulder arc 33. Moreover, the tread surface 11 is formed in such a manner that a value obtained from a relation $K1=L1/(TDW \times 0.5)$ satisfies $0.6 \leq K1 \leq 0.8$, where $K1$ is a relation between an outline area $L1$ that is a width from an equatorial plane 5 to the end of the center arc 31 and a tread development width TDW , and a ratio $K2$ satisfies $0.9 \leq K2 \leq 2.0$, where $K2=TR1/OD$, and $K2$ is a ratio of a curvature radius $TR1$ of the center arc 31 to a tire outside diameter OD . Furthermore, the tread surface 11 is formed in such a manner that a value obtained from a relation $K3=(e^2 \times TDW)/(100 \times SW)$ satisfies $0.40 \leq K3 \leq 0.48$, where $K3$ is a relation between an aspect ratio e , the tread development width TDW , and a total width SW . As a result, the rollover resistance can be improved while retaining the driving stability.

IPC 8 full level
B60C 3/06 (2006.01); **B60C 5/00** (2006.01); **B60C 9/22** (2006.01); **B60C 11/00** (2006.01); **B60C 11/01** (2006.01); **B60C 11/04** (2006.01); **B60C 11/13** (2006.01); **B60C 15/06** (2006.01)

CPC (source: EP KR US)
B60C 3/04 (2013.01 - EP US); **B60C 11/00** (2013.01 - EP KR US); **B60C 11/005** (2013.01 - EP US); **B60C 11/0083** (2013.01 - EP US); **B60C 11/01** (2013.01 - EP KR US); **B60C 11/0306** (2013.01 - EP US); **B60C 11/0332** (2013.01 - EP US); **B60C 11/04** (2013.01 - KR); **B60C 11/13** (2013.01 - EP US); **B60C 15/06** (2013.01 - KR); **B60C 2011/013** (2013.01 - EP US); **Y02T 10/86** (2013.01 - EP US)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2006134776A1

Cited by
CN110978900A; EP2879888A4; EP3176007A1; EP3176008A1; WO2014022199A1

Designated contracting state (EPC)
DE FR

DOCDB simple family (publication)
EP 1892126 A1 20080227; **EP 1892126 A4 20081119**; **EP 1892126 B1 20091125**; CN 101111397 A 20080123; CN 101111397 B 20100519; DE 602006010696 D1 20100107; JP 4076569 B2 20080416; JP WO2006134776 A1 20090108; KR 101291886 B1 20130731; KR 20080015385 A 20080219; US 2008105347 A1 20080508; WO 2006134776 A1 20061221

DOCDB simple family (application)
EP 06756838 A 20060531; CN 200680003586 A 20060531; DE 602006010696 T 20060531; JP 2006310918 W 20060531; JP 2006536912 A 20060531; KR 20077017592 A 20060531; US 79316206 A 20060531